

DUE DATE: November 4

Slope Project
Mr. Jones Algebra I
Fort Herriman Middle School

For this project, you will write 3 paragraphs. The first paragraph will be used to describe an object outside the classroom (at home, somewhere else in the school, outside, etc) that contains a line with a slope close to one (could be positive or negative). The second paragraph will be used to describe an object outside the classroom that contains a line with a slope close to zero. The third paragraph will be used to describe an object outside the classroom that contains a line with a slope close to undefined. Creativity is highly encouraged! You must use math or logic to describe the slope of the line. Clearly describe the object. You will need to use diagrams in your description.

Your project does NOT need to be typed and your drawings CAN BE freehand. **The project does need to be neat and organized!** No torn, wrinkled pages. If you do not use a word processor, use a pencil – not a pen. You should be able to fit the project on 1 to 2 pages.

You have two weeks to complete the project. If you turn in your work late, you will lose 4 points per paragraph (total of 12 points from the project!). See the rubric for additional information.

The rubric for the project is on the second page of this assignment. You must fill out the rubric and score yourself to receive credit. Use the “My Score” column on the rubric to write your score for the each paragraph of the assignment. The “My Score” column contains three lines – one for you to score each paragraph. After scoring each paragraph, write your total score in the space provided at the top of the rubric. Staple the rubric to the front of your project and turn it in on or before the due date.

An example of the first paragraph is:

I love living in Utah! We are so fortunate to live on the western edge of the great Rocky Mountains. The mountains are especially beautiful during the fall when the leaves of the trees are bright orange, red, and brown. I really enjoy seeing the contrast between the blue sky and the fall colors. The other day while walking in the mountains, I picked up the leaf shown at the right. The leaf is brown and just starting to decay. It has a line formed by the edge of the leaf which has a slope of about 1 when I lay it on an x,y coordinate plane. I used a ruler to measure its rise and run. The rise of the edge of the leaf is about 2 cm and the run of the edge of the leaf is another 2 cm. Since slope is rise over run, the slope of the line on this leaf in the diagram is $2\text{cm}/2\text{cm} = 1$.

